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2

CENTRAL INTELLIGENCE AGENCY



German engineers. (u)

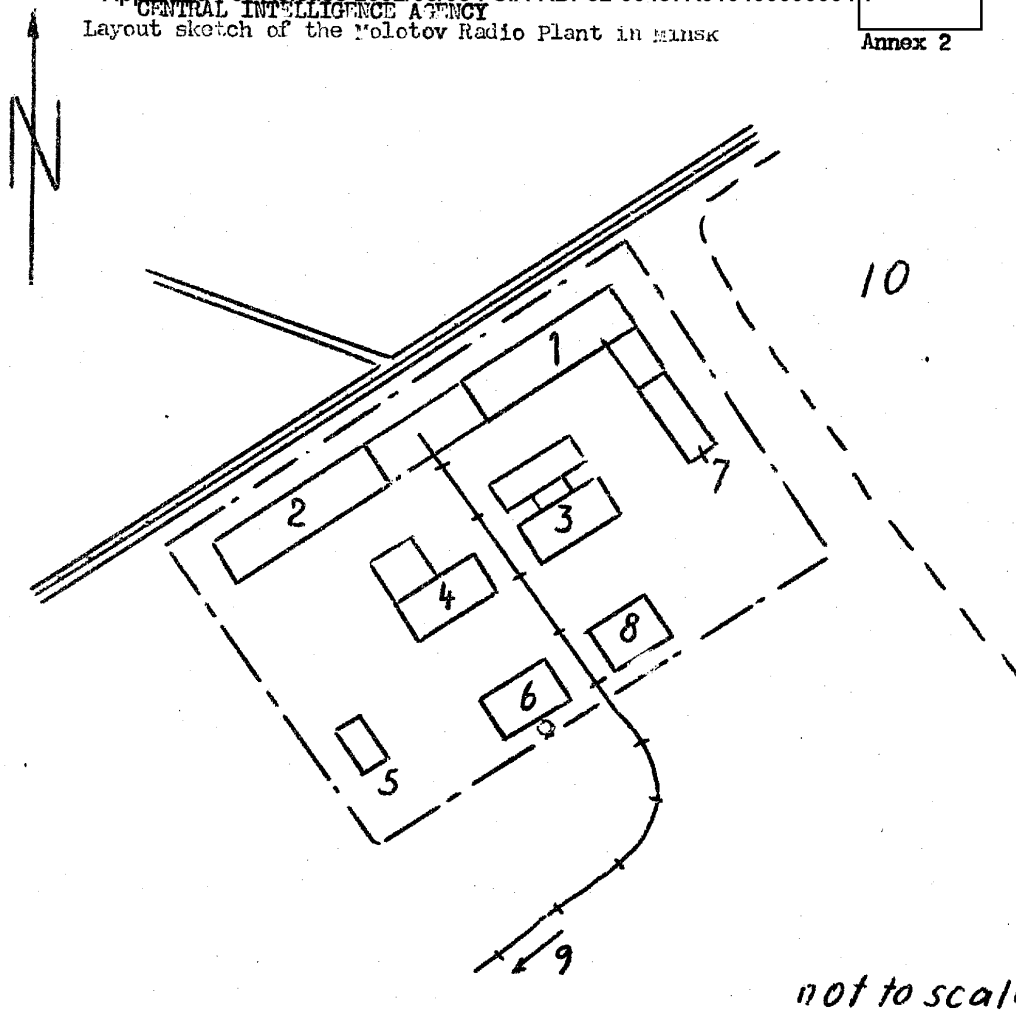
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Comments.

- (1) For location map of the plant see Annex 1.
- (2) For layout sketches of the plant see Annexes 2 and 3.
- (3) For list describing these models see Annex 4.
- (4) The 1946 production was 8,000 sets. The 1947 quota was 30,000 sets but the actual production in 1947 was 22,000 sets. The 1948 schedule was 40,000 sets (Pravda of 2 February 1948). The Partisan twin-tube set was designed at the end of August 1947 (Izvestiya of 21 August 1947) and 3,000 sets had been delivered at the beginning of January 1948 (Izvestiya of 9 January 1948).

4 Annexes: Three sketches and one list.

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Annex 2

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Legend:

1. Production of component parts and assembly. Condensers, resistors, amplifier sets, etc. were manufactured on the ground-floor. These products were then sent for electroplating to building No 2. A warehouse for finished component parts was on the second floor. The final assembly of the radio chassis, the transformer construction shop, the coil manufacturing shop, and the loudspeaker tuning shop were on the third floor.
2. Acceptance station and final assembly on the conveyor line. There was no mechanical equipment in this department. A carpentry shop was housed in the same building.
3. Bakelite department and machine shop. Variable condensers and loudspeakers were manufactured here. There were also plant workshops such as a locksmith's shop and a tool shop.
4. Warehouse.
5. Shipping department.
6. Boiler house with two horizontal peat-fired, steam boilers. There was a smokestack, twenty-five meters high.
7. Administration building.
8. Garage (PW Camp).
9. Spur tracks to the Minsk railroad station.
10. Udarnik Plant.

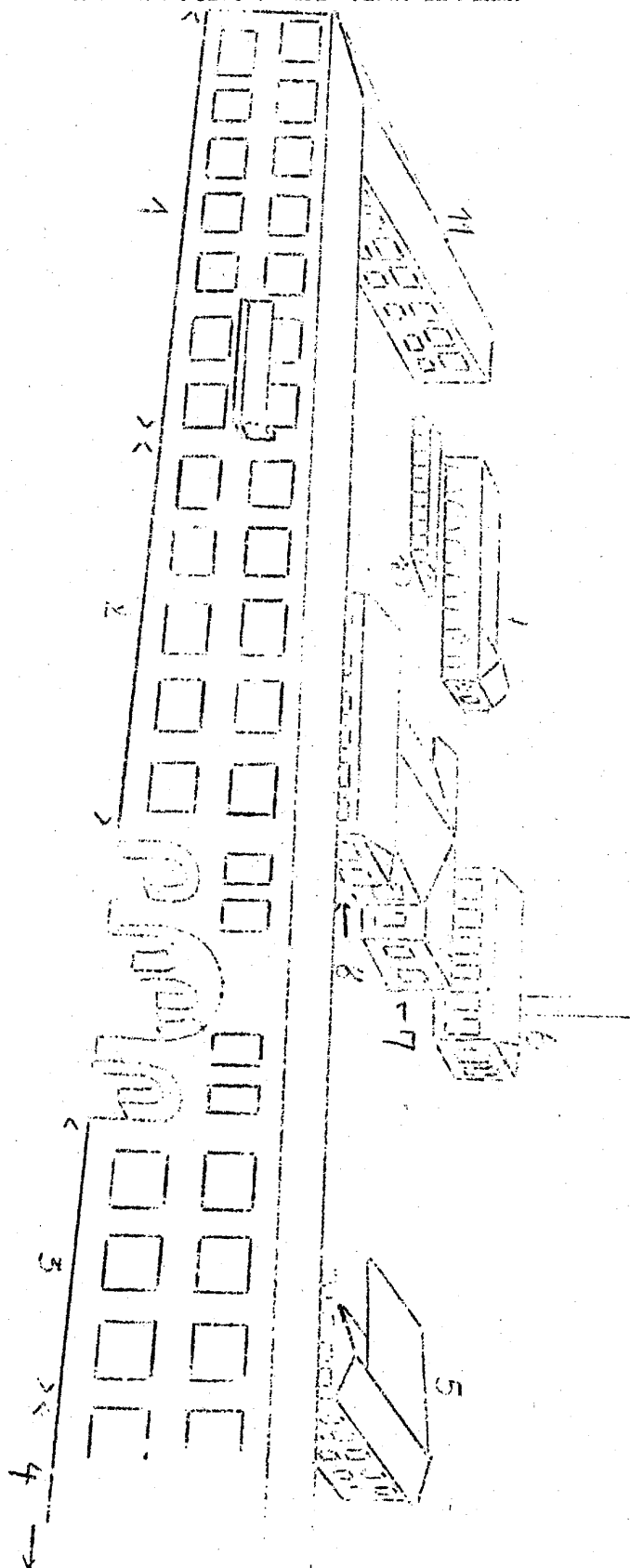
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Layout sketch of the Molotov Radio Plant in Minsk

Annex 3

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Legend:

1. Manufacturing of cabinets for radio sets.
2. Fitting of the wiring diagram.
3. Final assembly.
4. Testing department.
5. Warehouse.
6. Boiler house.
7. Forge.
8. Punching shop.
9. Garage, used also as PW Camp.
10. Green-house.
11. Shipping and testing department.

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Annex 4

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Radio Models Manufactured in the Plant.

1. "Partisan", a twin-tube set with battery amplifier and detector set. After the fall of 1948: a 4-tube battery set with two circuits, duraluminum-made chassis, cabinet made of brown plastic, no tone control; no magic eye and no block circuit. The set had a medium and a long wave band and two steel tubes similar to the "Telefunken" tubes and two smaller glass tubes. Range of reception: medium wave from 600 to 1,400 kilocycles, long wave from 150 to 1,000 kilo-cycles. This set was equipped with a full-dynamic 4-watt loudspeaker and a device for connecting a second loudspeaker. Built-in frame aerial insured reception of nearby stations without additional antenna. Berlin, Hamburg, Copenhagen, Stockholm and some Balkan stations could be received with this set. 110 to 120 AC.
2. "Pioneer", 4-tube superheterodyne model with phonograph, AC and DC. This model was turned out in the fall of 1948. Another source indicated 4 to 6 tubes in this model.
3. "Minsk", 7-tube superheterodyne, produced in October 1948.
4. "Belorus", 10-tube set with six wave bands, including four short wave bands. Almost completed in October 1948.
5. "Red Star", produced in 1948-1949. Superheterodyne, 5-tube set with six circuits. Plastic cabinet, magic eye, duraluminum-made chassis, tone control, pick-up device, second loudspeaker and flywheel dial. This set was apparently a reproduction of the "Maupunkt" superheterodyne and had short, medium and long-wave bands. 110 and 220 volt, last-stage 6 watt. Half of these sets were built for AC, the other half for AC-DC operation. Almost all European stations could be received with this set.
6. A 13-tube set was also being developed in the fall of 1948.

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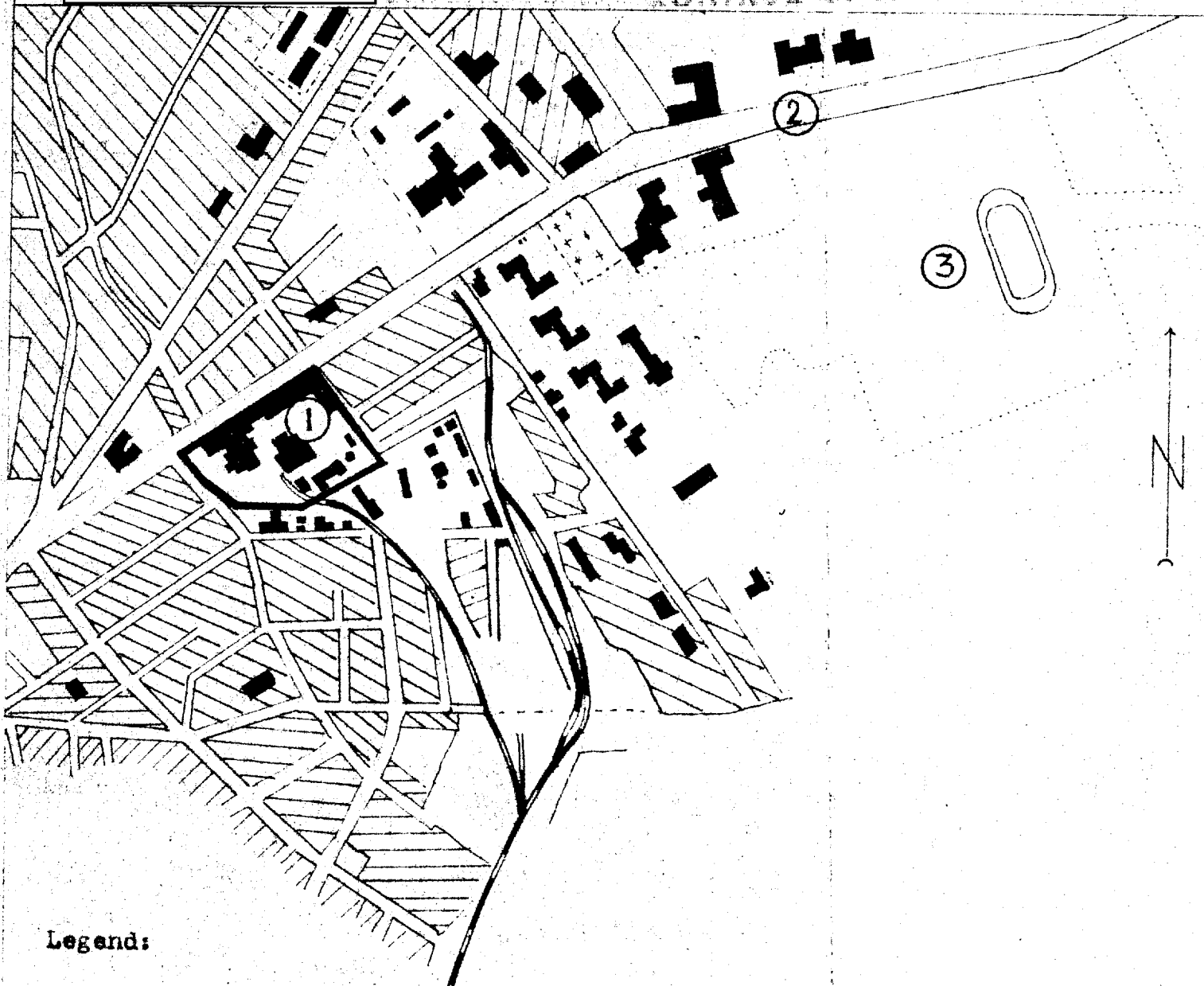
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Molotov Radio Plant in Linsk

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Legend:

- ① Molotov Radio Plant
- ② Highway to Smolensk
- ③ Large stadium

0 500 m  
SCALE 1 : 10 000

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